

ALLERGENIC PROTEIN AND PEPTIDES FROM
HOUSE DUST MITE AND USES THEREFOR

Abstract

5 Isolated nucleic acids encoding allergens of the species *Dermatophagooides pteronyssinus* and *Dermatophagooides farinae*, *Der p* VII and *Der f* VII, respectively, are disclosed. A cDNA encoding a peptide having a *Der p* VII activity and a predicted molecular weight of about 22, 177 daltons is described. A cDNA encoding a peptide
10 having *Der f* VII activity is also described. The nucleic acids of the invention can be used as probes to detect the presence of *Der p* VII or *Der f* VII nucleic acid in a sample or for the recombinant production of peptides having a *Der p* VII or *Der f* VII activity. Peptides having a *Der p* VII or *Der f* VII activity can be used in compositions suitable for pharmaceutical administration or methods of diagnosing sensitivity to house dust mite
15 allergens.